ABSTRACT OF THE DISCLOSURE

Mammalian T1R3 Sweet Taste Receptors

The present invention provides isolated nucleic acid and amino acid sequences of sweet taste receptors, the receptors comprising consisting of a monomer or homodimer of a T1R3 G-protein coupled receptor polypeptide, antibodies to such receptors, methods of detecting such nucleic acids and receptors, and methods of screening for modulators of sweet and amino acid taste receptors.

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